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APPLICANT : UBE IND LTD;

INVENTOR : NAKAMURA TAKAHITO;

INT.CL. : C07D317/54

TITLE : PREPARATION OF PIPERONAL

ABSTRACT : PURPOSE: To prepare piperonal useful as a raw material for cosmetics, perfumes, medicines, agricultural chemicals, etc., and brighteners for metal plating, in high conversion and selectivity, by oxidizing piperonyl alcohol with O_2 in a basic aqueous medium in the presence of a platinum group metal catalyst. *Pt* *in air*

CONSTITUTION: Piperonal is prepared by oxidizing piperonyl alcohol with O_2 - containing gas in a basic aqueous medium in the presence of a platinum group metal catalyst, preferably a platinum group metal catalyst and an inorganic acid salt of a metal selected from lead, bismuth, silver and tin. The platinum group metal catalyst is pref. platinum and palladium. Coexistence of an inorganic acid salt of a metal selected from lead, bismuth, silver and tin, improves the conversion and the selectivity.

USE: Base for heliotrope perfume.

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